WEST Search History

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DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L33	130 and 132	234	L33
L32	oxygen or o?.sub\$	664298	L32
L31	129 and 130	4	L31
L30	14 or 19	593	L30
L29	115 and 113 and 128	387	L29
L28	((427?\$)!.CCLS.)	127762	L28
L27	125 and 126	2	L27
L26	18 or 14	30589	L26
L25	123 and 124	109	L25
L24	((438/\$)!.CCLS.)	138687	L24
L23	115 and 113	3071	L23
L22	l21 and l13	6	L22
L21	116 or 120	107	L21
L20	14 and 115	49	L20
L19	l4 and ll15	0	L19
L18	19 and 115	74	L18
L17	19 and 14	90	L17
L16	19 and 115	74	L16
L15	sic or sigec	60819	L15
L14	112 and 113	9	L14
L13	carbon-carbon or c-c or unsaturat\$4	325411	L13
L12	19 and 111	88	L12
L11	double or triple	926814	L11
L10	13 and 19	1	L10
L9	17 same 18	498	L9
L8	ultra adj high	30518	L8
L7	chemical adj vapor	86255	L7
L6	ulta adj high	20	L6
L5	13 and 14	1	L5
L4	uhv-cvd	185	L4
L3	unsaturat\$4 adj3 double	8911	L3
L2	ulta adj nigh 13 and 14 uhv-cvd unsaturat\$4 adj3 double usaturat4 adj4 double	0	L2

L10 ANSWER 1 OF 1 CA COPYRIGHT 2003 ACS 123:270226 CA ANCompositional and structural properties of hydrogenated amorphous TI silicon-carbon films prepared by ultra-high-vacuum plasma-enhanced chemical vapor deposition with different carbon sources Demichelis, F.; Giorgis, F.; Pirri, C. F.; Tresso, E. ΑU Dipartimento di Fisica, Politecnico di Torino, Turin, 10129, Italy CS Philosophical Magazine A: Physics of Condensed Matter: Structure, Defects SO and Mechanical Properties (1995), 72(4), 913-29 CODEN: PMAADG; ISSN: 0141-8610 PB Taylor & Francis Journal DT LΑ English 73-11 (Optical, Electron, and Mass Spectroscopy and Other Related CC Properties) Hydrogenated amorphous Si-C films were deposited by ultra-AΒ high-vacuum plasma-enhanced CVD in SiH4 + CH4 and SiH4 + C2H2 gas mixts. Both types of film were compared with respect to their compositional, optical and structural properties. They have an optical gap of 2.3-3.3 eV for [C]/[C + Si] of 0.2-0.7 and possess high uniformity. The deposition rate of C2H2-based films is 4-5 .ANG. s-1, 1 order of magnitude higher than CH4-based films having large bandgap. By IR spectroscopy, marked differences in C and H incorporation were found for the films grown using the 2 different C sources. Anal. of the IR spectra reveals, among the most important structural characteristics, that the films grown from the SiH4 + CH4 plasma have a higher concn. of Si-C bonds than those grown from SiH4 + C2H2, and that C2H2-based alloys gave C clusters during the growth of the films. Considerations of the av. coordination no., the chem. bonding and the degree of chem. order are also reported and discussed. optical hydrogenated silicon carbon film CVD STInfrared spectra IT(of hydrogenated amorphous silicon-carbon films prepd. by ultra -high-vacuum plasma-enhanced CVD with different carbon sources) Energy level, band structure IT (gap, of hydrogenated amorphous silicon-carbon films prepd. by ultra-high-vacuum plasma-enhanced CVD with different carbon sources) IT Vapor deposition processes (plasma, compn. and structural properties of hydrogenated amorphous silicon-carbon films prepd. with different carbon sources by ultra-high-vacuum) 1333-74-0, Hydrogen, uses IT RL: MOA (Modifier or additive use); USES (Uses) (compn. and structural properties of amorphous silicon-carbon films prepd. by ultra-high-vacuum plasma-enhanced CVD with different carbon sources and contg.) 107992-37-0, Silicon carbide (Si0-1C0-1) IT RL: PRP (Properties) (compn. and structural properties of hydrogenated amorphous films prepd. by ultra-high-vacuum plasma-enhanced CVD with different carbon sources of) 7803-62-5, Silane, reactions IT RL: RCT (Reactant); RACT (Reactant or reagent) (compn. and structural properties of hydrogenated amorphous silicon-carbon films prepd. by ultra-high-vacuum plasma-enhanced CVD with different carbon sources and) 74-86-2, Acetylene, reactions 74-82-8, Methane, reactions IT RL: RCT (Reactant); RACT (Reactant or reagent)

(compn. and structural properties of hydrogenated amorphous silicon-carbon films prepd. by ultra-high-vacuum plasma-enhanced CVD with silane and)

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